

EXEMPLARY EVENT SCENARIO			
TIME DURATION	EVENT	LEFT DFR	RIGHT DFR
1		DETECTOR RUNNING	DETECTOR RUNNING
2	FEEDBACK DETECTED ON RIGHT CHANNEL	DETECTOR RUNNING	SEND SEMAPHORE
3		RECEIVE SEMAPHORE	EITHER DEEPEN EXISTING NOTCH OR CREATE NEW FILTER
4		DETECTOR RUNNING	RAMP NOTCH FILTER
5	FEEDBACK DETECTED ON LEFT CHANNEL	SEND SEMAPHORE	CONTINUE RAMPING FILTER
6		WAIT	SEND FILTER PARAMETERS
7		CONFIGURE NOTCH FILTER ACCORDING TO RECEIVED PARAMETERS	DETECTOR RUNNING
8		DEPLOY NOTCH FILTER	DETECTOR RUNNING
9		SEND FILTER PARAMETERS	DETECTOR RUNNING
10			CONFIGURE NOTCH FILTER ACCORDING TO RECEIVED PARAMETERS
11		DETECTOR RUNNING	DETECTOR RUNNING

300

FIG. 3

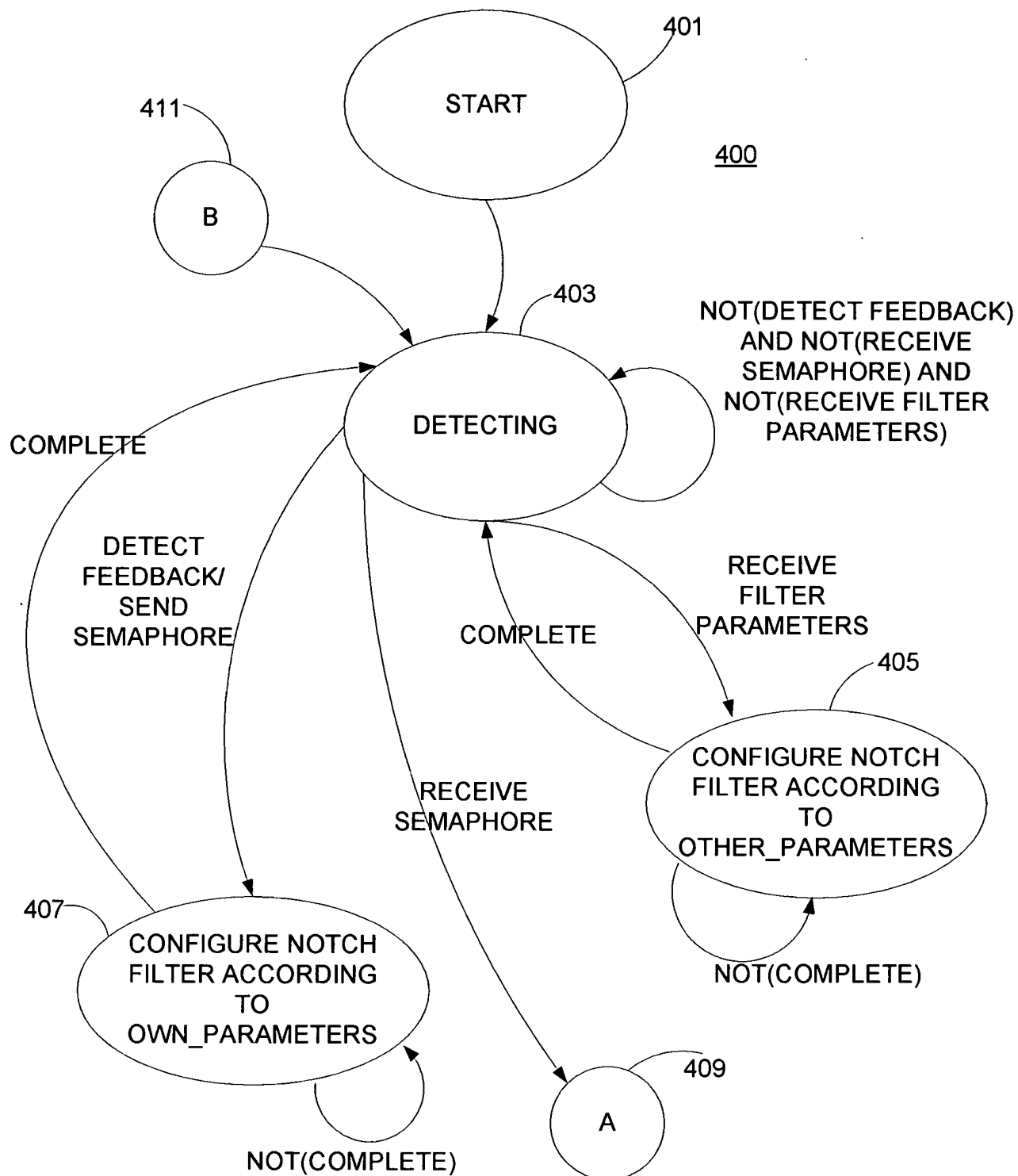


FIG. 4

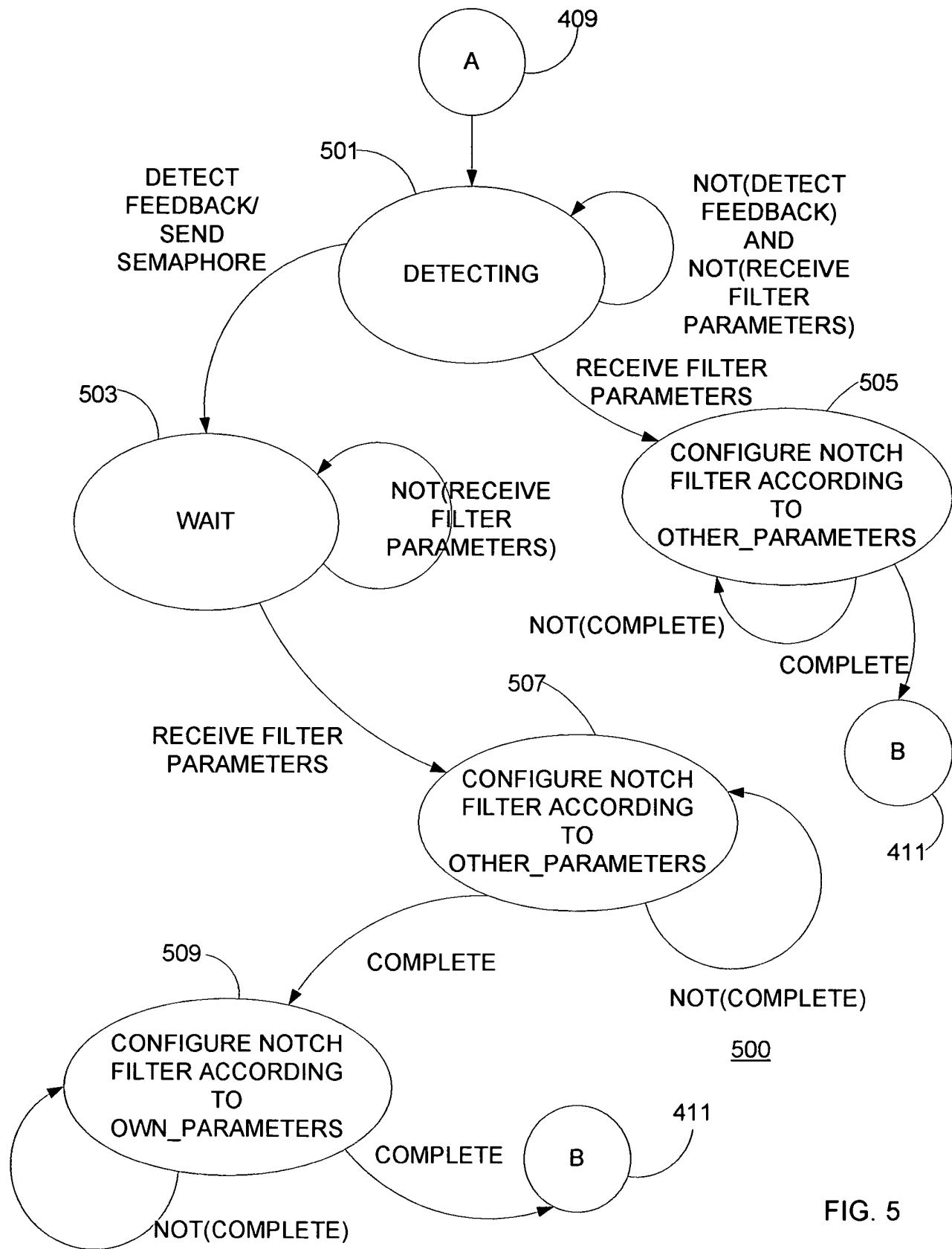


FIG. 5

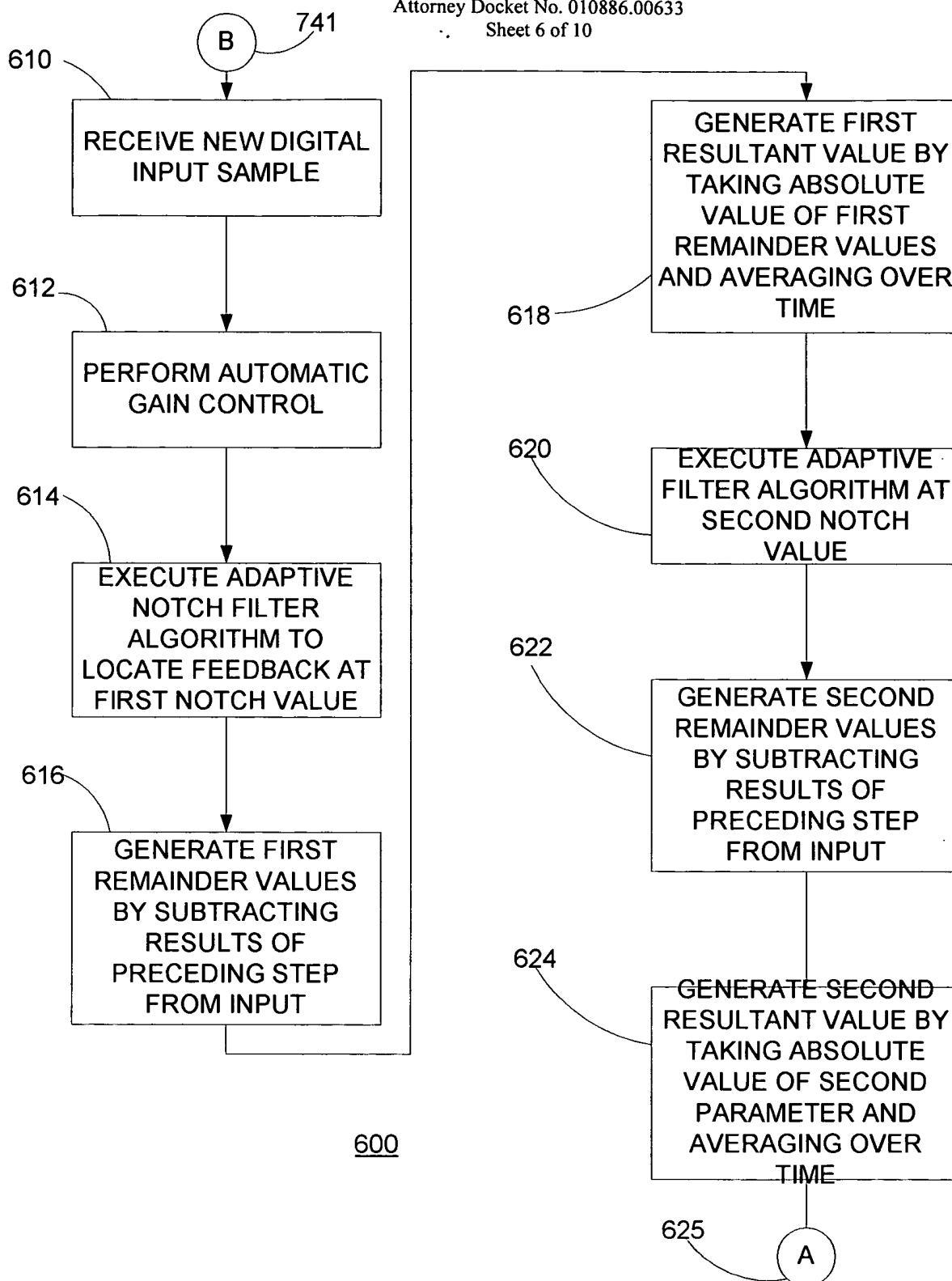
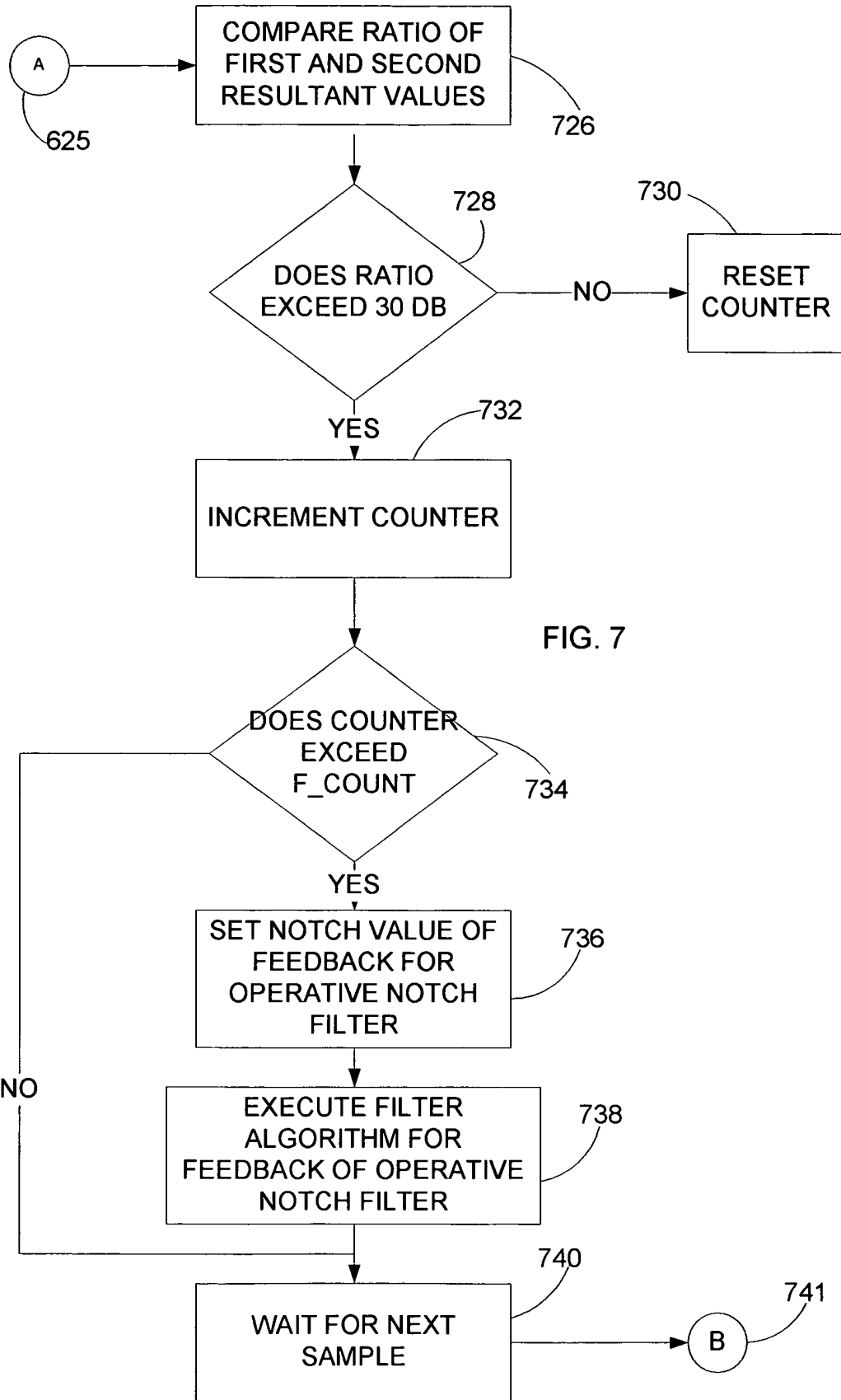


FIG. 6



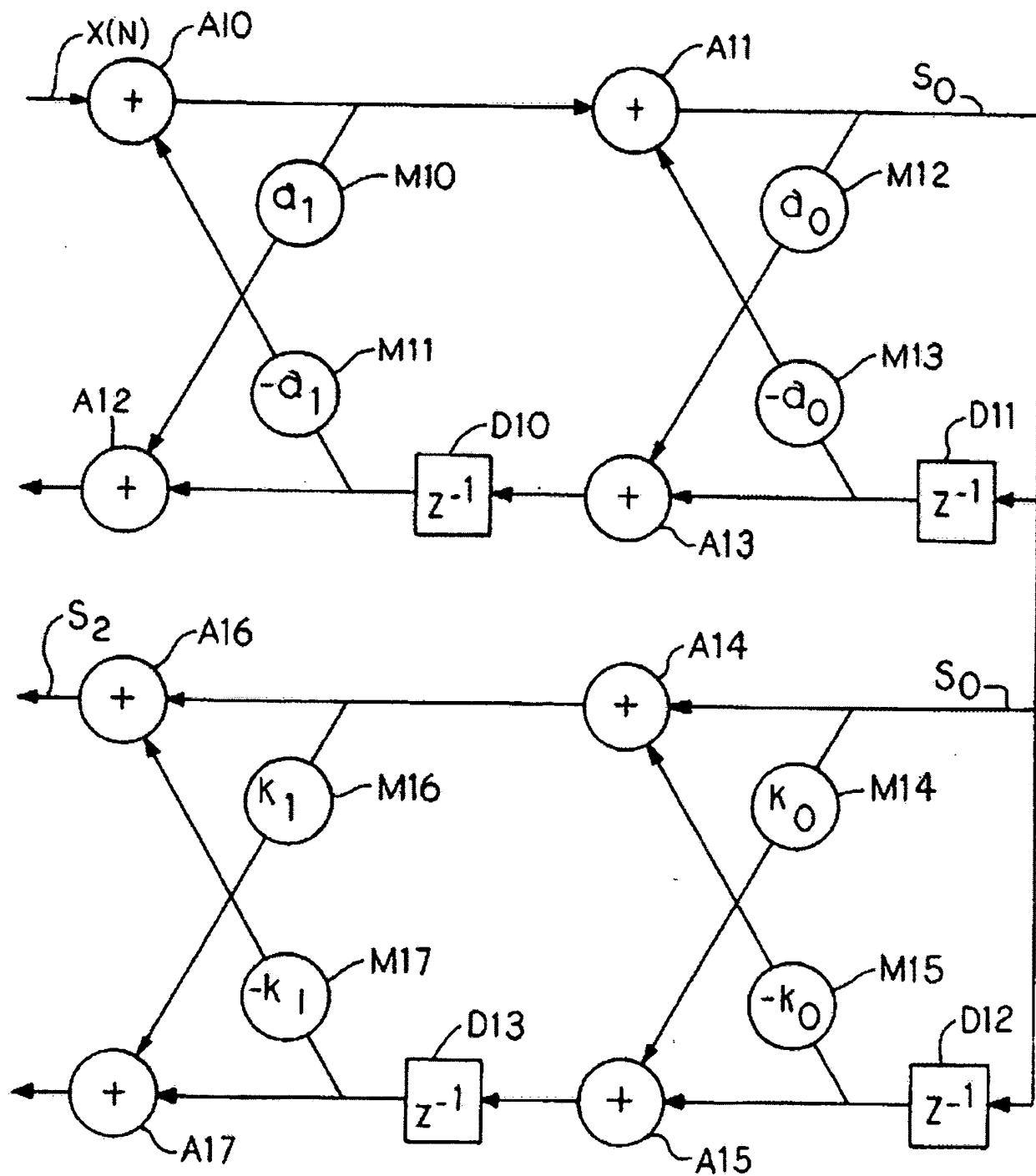


FIG. 8

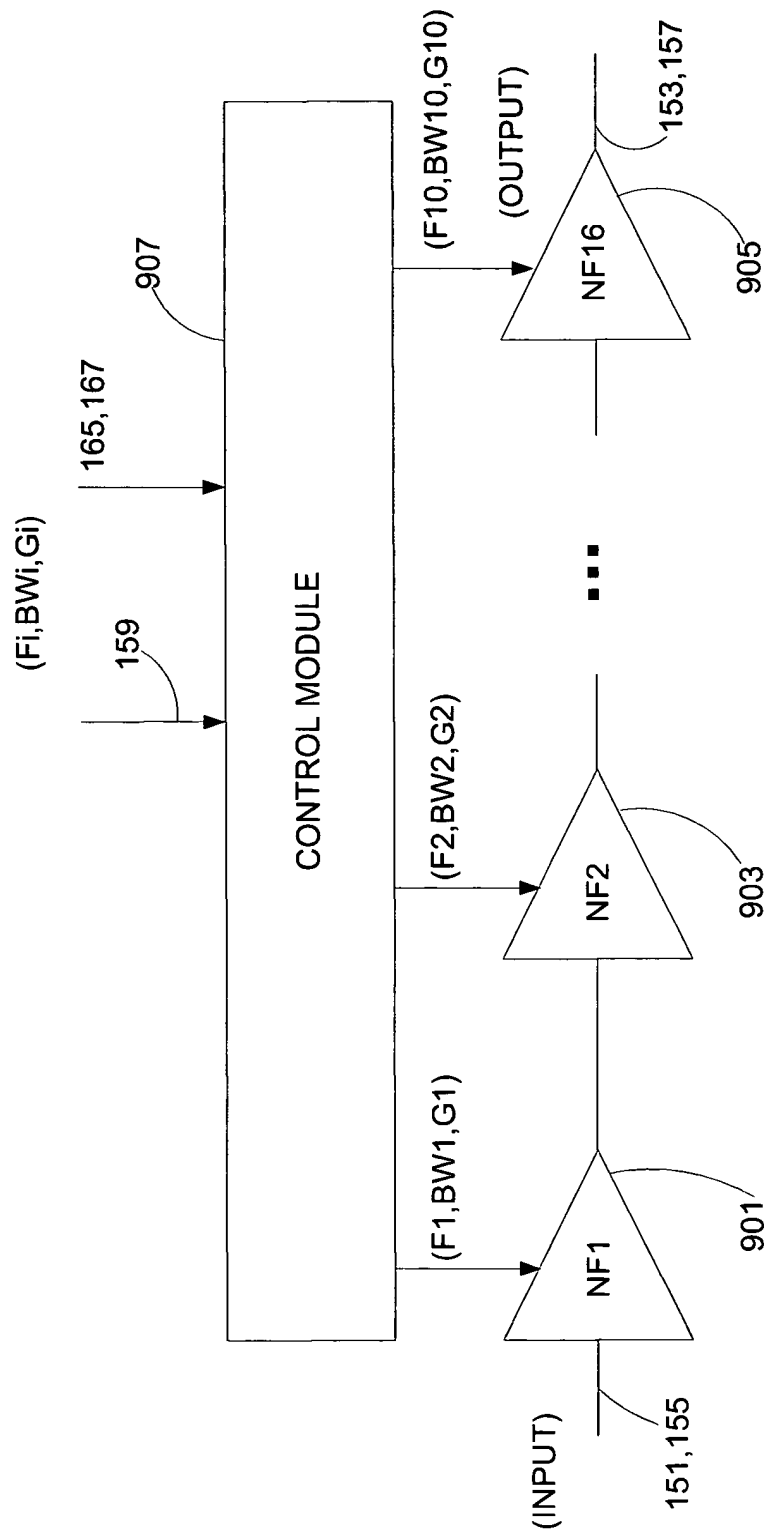


FIG. 9

900

1001

EXEMPLARY PERFORMANCE DATA OF A DUAL-CHANNEL DFR						
1009	1003 Trial 1		1005 Trial 2		1007 Trial 3	
	Single CH	Dual CH	Single CH	Dual CH	Single CH	Dual CH
100	2.313	1.816	2.866	1.862	3.197	3.022
200	3.050	2.292	2.826	1.813	3.019	2.067
400	2.018	1.602	1.795	1.361	1.911	1.279
800	1.757	1.259	1.716	1.359	1.710	1.215
1600	1.785	1.215	1.610	1.358	1.727	1.349
3200	1.757	1.359	1.661	1.299	1.661	1.334
6400	1.713	1.223	1.566	1.260	1.656	1.158
12800	1.627	1.332	1.682	1.308	1.634	1.309
1021	AVERAGE	2.003	1.512	1.965	1.453	2.064
1023	AVERAGE (SINGLE CH): 2.011 seconds					
1025	AVERAGE (DUAL CH): 1.519 seconds					

1000

FIG. 10